Profit® Blending and Movement from Honeywell

Intelligent Blending and Movements for Profitable and Safe Operation
Unlock the hidden profit in your off-sites, terminals and tank farms with Profit® Blending and Movement (PBM). Blend, control and monitor blending, movements and inventories with a powerful family of software for more successful operations.

**Meet the Family: Software**

Profit Blending and Movement benefits are delivered through seven powerful applications for blending and movements, to enable you to shape the ideal solution for your business and budget.

**Key Features**

- Integrated Answers
  - As standalone tools or as a fully integrated solution, the Profit Blending and Movement software suites offer a flexible, scalable answer for blending and material movements. Profit Blending and Movement software is fully integrated with Honeywell’s Experion® PKS, or it can be implemented on any OPC-compliant DCS.
  - **Profit Blending Suite: Fuel Your Plant Profit with Blending Excellence**
    - Profit Blending Suite is an integrated solution for blending and material movements. It helps eliminate inefficiencies and increase profitability, as it identifies the optimal path for movements and best formulation of blend components.
  - **Profit Movement Suite: Intelligent Movements for Profitable and Safe Operation**
    - Profit Movement Suite provides comprehensive control for accurately planning, executing and monitoring material movements within refineries, tank farms and terminals. Operations staff can efficiently and safely accept, create, and validate material movement plans, and control and track all movements and inventories across the plant. It even integrates tank quality measurements to track product property changes.
  - **Profit Blend Optimizer**
    - Cost-effectively reducing product giveaway, Profit Blend Optimizer is used by refinery operations personnel to reformulate and optimize blends online. Model-based product property control and blend reporting enables users to meet objectives such as minimum cost, maximum production and minimum deviation from schedulers’ recipes or component limits.
  - **Profit Blend Controller**
    - Saving time and improving blend accuracy, Profit Blend Controller reduces re-blends, increases blender throughput, and minimizes component giveaway.
  - **Profit Inventory Monitor**
    - Reduce inventory, minimize the risk of incidences due to spills or product contamination, and improve volume reconciliation to support production accounting with Profit Inventory Monitor. With a single window for the operator to access all tank data, Profit Inventory Monitor also provides the essential links to support collaboration between schedulers, operations and production accountants. Capturing and tracking tank levels, status and compositions, it interfaces to lab applications for quality certification and assurance, and the DCS for monitoring and alarming.
  - **Profit Movement Management—Movement Monitor**
    - Movement Monitor helps operators personnel accurately plan and monitor material movements in oil refineries, tank farms and terminals for safe, effective operations. A model-based approach supports planning and logging of orders and movements; managing, prioritizing and monitoring movement activities; tracking product property changes for tank quality integration; and movement alarming.

**Profit Unlocking Technologies**

Unlock the hidden profit in your off-sites, terminals and tank farms with Profit® Blending and Movement (PBM). Plan, control and monitor blending, movements and inventories with a powerful family of software for more successful operations.

Delivering control, PBM ensures safe, accurate and efficient execution of your blend recipes and material movements. Optimizing the operation identifies the optimal path for movements and best formulation of blend components.

**Integrated Answers**

As standalone tools or as a fully integrated solution, Profit Blending and Movement software suites offer a flexible, scalable answer for blending and material movements. PBM is fully integrated with Honeywell’s Experion® PKS, or it can be implemented on any OPC-compliant DCS.

**Profit Blending Suite: Fuel Your Plant Profit with Blending Excellence**

Profit Blending Suite is an integrated solution for blending and material movements. It helps eliminate inefficiencies and increase profitability, as it identifies the optimal path for movements and best formulation of blend components.

**Profit Movement Suite: Intelligent Movements for Profitable and Safe Operation**

Profit Movement Suite provides comprehensive control for accurately planning, executing and monitoring material movements within refineries, tank farms and terminals. Operations staff can efficiently and safely accept, create, and validate material movement plans, and control and track all movements and inventories across the plant. It even integrates tank quality measurements to track product property changes.

**Profit Blend Optimizer**

Cost-effectively reducing product giveaway, Profit Blend Optimizer is used by refinery operations personnel to reformulate and optimize blends online. Model-based product property control and blend reporting enables users to meet objectives such as minimum cost, maximum production and minimum deviation from schedulers’ recipes or component limits.

**Profit Blend Controller**

Saving time and improving blend accuracy, Profit Blend Controller reduces re-blends, increases blender throughput, and minimizes component giveaway.

**Profit Inventory Monitor**

Reduce inventory, minimize the risk of incidences due to spills or product contamination, and improve volume reconciliation to support production accounting with Profit Inventory Monitor. With a single window for the operator to access all tank data, Profit Inventory Monitor also provides the essential links to support collaboration between schedulers, operations and production accountants. Capturing and tracking tank levels, status and compositions, it interfaces to lab applications for quality certification and assurance, and the DCS for monitoring and alarming.

**Profit Movement Management—Movement Monitor**

Movement Monitor helps operators personnel accurately plan and monitor material movements in oil refineries, tank farms and terminals for safe, effective operations. A model-based approach supports planning and logging of orders and movements; managing, prioritizing and monitoring movement activities; tracking product property changes for tank quality integration; and movement alarming.

Using intuitive graphics, users can quickly access individual equipment and monitor key movement information at a glance. Built-in integration with Experion PKS ensures that critical inventory and movement alarms can be monitored from the operator console.

**Meet the Family: Software**

Profit Blending and Movement benefits are delivered through seven powerful applications for blending and movements, to enable you to shape the ideal solution for your business and budget.
**Profit Movement Management—Movement Control**

Accounting for material compatibility, equipment availability and thermal relief requirements, Movement Control keeps material movements safe and effective. Key capabilities help reduce downgrades and losses, increase operator effectiveness, improve the integration with business functions, and boost safety and reliability:

- Path selection and isolation identifies optimal paths for movements
- Sequence generation ensures equipment is executed in the proper order
- Path approval and sequence actions reviews keep operators in control
- Movement execution automatically executes the line-up and controls material flow
- Tank quality integration tracks product property changes
- Generation of XML-based reports ensures timely and accurate transfer of material movement information to business functions
- Honeywell Field Advisor integration ensures effective execution of manual actions.

**The Profit Blending and Movement Portfolio at a Glance**

**Profit Blend Controller** controls in-line blending and ensure components are blended in accordance with blend recipe specifications.

**Profit Blend Optimizer** is used by refinery operations personnel for online blend reformulation and optimization.

**Blend Performance Monitor** provides an integrated information environment supporting collection, storage and analysis of finished product blending information.

**Experion Tank Monitor** is Honeywell's standalone tank monitoring solution for oil refineries, tank farms and terminals to collect, validate and manage accurate information on storage tank status.

**Profit Inventory Monitor** enables operations personnel to collect, validate, monitor and manage accurate information on storage tanks’ status and contents—the foundation of Profit Movement Suite.

**Profit Movement Monitor** lets operations personnel accurately plan and monitor material movements within oil refineries, tank farms and terminals.

**Profit Movement Control** enables operations personnel to safely and efficiently execute material movements.

**A Track Record in Control and Optimization**

Used in more than 220 refineries world-wide, and with more than 700 applications installed, Honeywell's Profit Blending and Movement has provided customers with significant benefits for over 25 years. Our blending solutions control more than 25% of the world’s refinery blending capacity, and include a wide range of customers from multinational global corporations, to national oil companies, to independent refiners.

All Profit Blending and Movement software is supported by a robust and transparent development roadmap, informed by customer feedback. Combining market leading software and in-depth expertise, Honeywell offers full services and support throughout the complete project lifecycle through a worldwide network of local support.

Whether it’s consulting, engineering support, training or maintenance programs, Honeywell has the experience, resources and technical experts to get the most from your software investments.

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**For More Information**

To learn more about how Honeywell's Profit Blending and Movement can optimize and improve your off-sites operation, visit www.honeywellprocess.com or contact your Honeywell account manager.

**Honeywell Process Solutions**

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